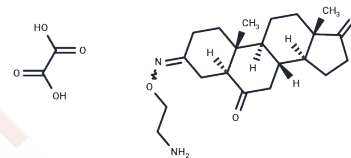


Istaroxime oxalate

Chemical Properties

CAS No. :	203737-94-4
Formula:	C23H34N2O7
Molecular Weight:	450.53
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Istaroxime, also known as PST-2744, is a positive inotropic agent that mediates its action through inhibition of sodium/potassium adenosine triphosphatase (Na ⁺ /K ⁺ ATPase). Na ⁺ /K ⁺ ATPase inhibition increases intracellular sodium levels, which reverses the driving force of the sodium/calcium exchanger, inhibiting calcium extrusion and possibly facilitating calcium entry. Additionally, Istaroxime increases intracellular calcium by improving the efficacy by which intracellular calcium triggers sarcoplasmic reticulum calcium release, and by accelerating the inactivation state of L-type calcium channels, which allow for calcium influx.
Targets(IC50)	ATPase,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2196 mL	11.098 mL	22.1961 mL
5 mM	0.4439 mL	2.2196 mL	4.4392 mL
10 mM	0.222 mL	1.1098 mL	2.2196 mL
50 mM	0.0444 mL	0.222 mL	0.4439 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481